

Proposed Sampling Scope for DSA Area 2/7/21

1. Excavate 9 test pits shown on the attached to maximum depths of 10 to 15 feet, or to the depth of native peat material beneath the sediment.
2. Collect samples every 3 feet within each test pit. Samples will be collected throughout the sediment and into native material (peat) beneath the sediment.
3. Each sample will be field screened for visual and olfactory evidence of impacts and with a photoionization detector (PID) for total organic volatiles (TOVs).
4. If field screening does not identify impacts, one composite sample of the sediment samples will be submitted for laboratory analysis and one composite sample of the native material (peat) beneath the sediment will be submitted for laboratory analysis.
5. If field screening identifies impacts, the sediment sample with the most significant impacts will be submitted for analysis and the native sample with the most impacts will be submitted for analysis. Also, additional discrete samples of the sediment and the native material will be sent to the lab and placed on hold for potential future analysis if needed.
6. Samples will be analyzed for the following:
 - EPH with 17 PAHs via DEP Method 8270SIM
 - VOCs via EPA Method 5035 / 8260B
 - Total Metals via EPA Method 3050B (arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc)
 - PCBs / Congeners via EPA Method 8082
 - TCLP Metals if RCRA 20X is triggered for any metal
7. Weston & Sampson will evaluate and tabulate the data and prepare a letter report detailing the test pit sampling and analytical results. Lab results will be compared to MassDEP Reportable Concentration S-1 soil standards.